

AMENDMENT TO THE CLAIMS

Please replace the current version of the claims with the following rewritten version:

Listing of Claims:

1. (Currently Amended) An LCD apparatus comprising:
an LCD panel displaying images and including:
a first substrate, and a second substrate facing the first substrate;
a common electrode disposed on the first substrate;
gate lines disposed on the second substrate and opposing the common electrode,
the gate lines receiving a gate driving signal; and
an output instruction signal line disposed on the second substrate and opposing
the common electrode such that the output instruction signal line has a capacitive load,
the output instruction signal line transmitting an output instruction signal;
a data driver outputting image data to the LCD panel and disposed on a data tape carrier
package (TCP);
a gate driver outputting a gate driving signal to the LCD panel; and
a timing controller providing a first control signal to the gate driver so as to control an
output of the gate driving signal, and providing the output instruction signal to the data driver via
the output instruction signal line so as to control an output of the image data according to a delay
of the gate driving signal,
wherein ~~the gate lines and the output instruction signal line is~~ is ~~disposed between the
data TCP and the gate lines substantially parallel to each other on the second substrate, and~~
~~wherein the output instruction signal line is substantially a same length as the gate lines.~~
2. (Previously presented) The LCD apparatus of claim 1, wherein the output instruction
signal line is formed on an area adjacent to the data driver.
3. (Previously presented) The LCD apparatus of claim 2, further comprising a plurality
of signal transmission members electrically connecting the data driver with the LCD panel,

wherein the output instruction signal line receives the output instruction signal from the timing controller via one of the signal transmission members.

4. (Previously Presented) The LCD apparatus of claim 3, wherein the LCD panel comprises:

the gate lines receiving the gate driving signal via the gate driver, the gate lines disposed on the LCD panel, extended in a first direction and arranged in a second direction substantially perpendicular to the first direction; and

a plurality of data lines receiving the image data via the data driver, the data lines disposed on the LCD panel, extended in the second direction and arranged in the first direction.

5. (Previously Presented) The LCD apparatus of claim 4, wherein the output instruction signal line is extended in the first direction and is substantially parallel to the gate lines.

6. (Original) The LCD apparatus of claim 4, wherein the LCD panel comprises a plurality of pixel areas defined by the gate and data lines, and the gate driving signal is provided to a corresponding pixel area at a same time as that of the image data provided to the corresponding pixel area.

7. (Currently Amended) An LCD apparatus comprising:

an LCD panel displaying images and including:

a first substrate, and a second substrate facing the first substrate;

a common electrode disposed on the first substrate;

gate lines disposed on the second substrate and opposing the common electrode, the gate lines receiving a gate driving signal; and

an output instruction signal line disposed on the second substrate and opposing the common electrode such that the output instruction signal line has a capacitive load, the output instruction signal line transmitting an output instruction signal;

a data driver outputting image data to the LCD panel and disposed on a data tape carrier package (TCP);

a gate driver outputting a gate driving signal to the LCD panel;

a timing controller providing a first control signal to the gate driver so as to control an output timing of the gate driving signal, and providing the output instruction signal to the data driver, so as to control an output timing of the image data according to a delay of the gate driving signal; and

a plurality of signal transmission members electrically connecting the data driver with the LCD panel;

wherein the output instruction signal line provides the output instruction signal to the data driver via one of the signal transmission members;

wherein the gate lines and the output instruction line is disposed between the data TCP and the gate lines substantially parallel to each other on the second substrate; and

wherein the output instruction signal line is substantially the same length as the gate lines.

8. (Previously Presented) The LCD apparatus of claim 7, wherein the LCD panel comprises:

the gate lines extended in a first direction and arranged in a second direction substantially perpendicular to the first direction; and

a plurality of data lines extended in the second direction and arranged in the first direction.

9. (Previously presented) The LCD apparatus of claim 8, wherein the output instruction signal line is extended in the first direction.

10. (Original) The LCD apparatus of claim 9, wherein the LCD panel comprises a plurality of pixel areas defined by the gate and data lines, and the gate driving signal and the image data are substantially simultaneously provided to a corresponding pixel area.

11. (Previously Presented) The LCD apparatus of claim 7, wherein the output instruction signal line is formed on the LCD panel and adjacent to the data driver.

12. (Currently amended) An LCD apparatus comprising:

an LCD panel displaying images and including:

a first substrate, and a second substrate facing the first substrate;

a common electrode disposed on the first substrate;

gate lines disposed on the second substrate and opposing the common electrode, the gate lines receiving a gate driving signal; and

an output instruction signal line disposed on the second substrate and opposing the common electrode such that the output instruction signal line has a capacitive load, the output instruction signal line electrically connecting a timing controller with a data driver and a gate driver;

the data driver coupled to the LCD panel and disposed on a data tape carrier package (TCP);

the gate driver coupled to the LCD panel;

the timing controller coupled to the gate driver and to the data driver, and providing an instruction signal to the output instruction signal line transmitting the output instruction signal to the data driver, so as to control an output of image data according to a delay of the gate driving signal; and

wherein the gate lines and the output instruction signal line is disposed between the data TCP and the gate lines substantially parallel to each other on the second substrate; and wherein the output instruction signal line is substantially a same length as the gate lines.

13. (Previously presented) The LCD apparatus of claim 12, wherein the output instruction signal line is formed on an area adjacent to the data driver.

14. (Previously presented) The LCD apparatus of claim 13, further comprising a plurality of signal transmission members electrically connecting the data driver with the LCD panel,

wherein the output instruction signal line receives a control signal from the timing controller via one of the signal transmission members so as to control an output of an image data from the data driver according to a delay of the gate driving signal.

15. (Previously Presented) The LCD apparatus of claim 1, wherein capacitive and resistive loads of the gate lines and the output instruction signal line are substantially equal to each other.

16. (Previously Presented) The LCD apparatus of claim 1, wherein a delay of providing the output instruction signal to the data driver is substantially equal to the delay of the gate driving signal.

17. (New) The LCD apparatus of claim 1, wherein a portion of the output signal line is disposed on the data driver.